Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/10/2014 12:23 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 57599, Expiration Date: 09/30/2014
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125068	0	1.44	124889	1.16
Blue	F	SSC	125000	122946	-2	3.04	122709	2.45
Blue	E	FITC	20974	20173	-4	1.71	915	7.26
Blue	D	PE	25516	25031	-2	1.39	932	6.93
Blue	B	PerCP-Cy5-5	47091	45673	-4	2.54	1558	11.61
Blue	A	PE-Cy7	41727	41383	-1	4.42	905	20.60
Red	C	APC	51192	50109	-3	2.26	2932	8.13
Red	A	APC-Cy7	50012	49652	-1	2.80	1572	8.48
Violet	B	V450	15453	15154	-2	1.62	912	5.67
Violet	A	V500	60987	60446	-1	1.40	2928	3.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20531	1.94	551	-8	N/A	N/A	Pass
Blue	F	SSC	59956	1.31	467	4	N/A	N/A	Pass
Blue	E	FITC	112	28.00	496	-3	0.0442	77	Pass
Blue	D	PE	209	20.30	485	-2	0.3320	228	Pass
Blue	B	PerCP-Cy5-5	215	30.85	562	-5	0.0170	0	Pass
Blue	A	PE-Cy7	83	68.60	615	-5	0.0266	10	Pass
Red	C	APC	332	24.04	562	1	0.0285	132	Pass
Red	A	APC-Cy7	136	31.86	542	2	0.0074	1656	Pass
Violet	B	V450	95	34.44	441	4	0.0893	2854	Pass
Violet	A	V500	201	17.82	472	4	0.0254	552	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/10/2014 12:23 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/27/2014 10:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-32.29	-31.98	0.97
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.25
Red	18.28	13.07 - 19.61	N/A	N/A	32.28	32.66	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11685

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments